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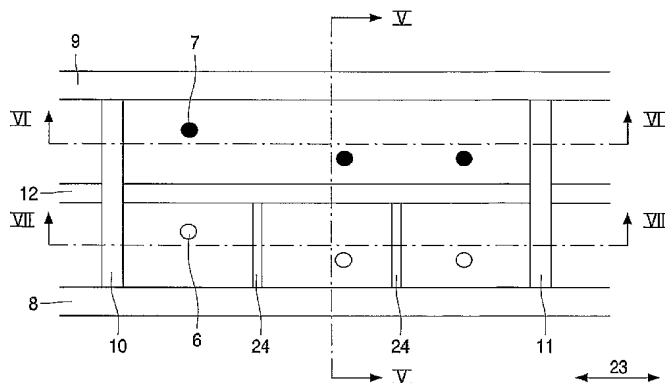
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(54) Title: ELECTROPHORETIC DISPLAY PANEL



(57) Abstract: The electrophoretic display panel (1) for displaying a picture has a pixel (2) having an electrophoretic medium (5) having first and second charged particles (6, 7), the first charged particles (6) having a first optical property, the second charged particles (7) having a second optical property different from the first optical property, and an optical state depending on positions of the particles (6, 7). Furthermore, particle movement means (10, 11, 100) are arranged to enable a picture movement of the first and the second particles (6, 7) to their respective position for displaying the picture, and particles movement decoupling means are arranged to provide unequal abilities of the first and the second particles (6, 7) to move for substantially decoupling the picture movement of the first particles (6) from the picture movement of the second particles (7). For the display panel (1) to be able to have an attainable optical state for displaying the picture which is unequal to the optical state determined by the mixture of the first and the second particles (6, 7), even if the particles (6, 7) have substantially equal intrinsic electrophoretic mobilities, the particles movement decoupling means (24, 25) are arranged to provide unequal interactions of the first and the second particles (6, 7) with their respective surroundings for providing the unequal abilities of the first and the second particles (6, 7) to move.

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